

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 1. (Currently Amended) A method for managing a peer-to-peer collaboration system
2 ~~in which users having identities are directly connected to each other in a shared~~
3 ~~private space by client software operating in devices and wherein the users can~~
4 ~~communicate with a management server using the client software~~, the method
5 comprising:

6 (a) using client software operating in devices to connect a first user having an
7 identity to a second user having an identity in a shared private space
8 without the assistance of a server so that collaborative information is sent
9 directly between the first and second users without an intervening server;

10 (ab) sending a request from the a management server to the first user to
11 become a managed entity;

12 (bc) downloading from the management server to the client software a
13 definition file containing a definition of the managed entity; and

14 (ed) associating information in the definition file with the first user identities
15 identity and device information in the client software in order to create a
16 managed entity.

1 2. (Currently Amended) The method of claim 1 wherein the managed entity is a
2 managed user and the definition ~~information~~ file is an injectible identity file.

1 3. (Currently Amended) The method of claim 1 wherein the managed entity is a
2 managed device and the definition ~~information~~ file is a device information file.

- 1 4. (Original) The method of claim 3 wherein the device information file is a Windows
2 REG file.
- 1 5. (Currently Amended) The method of claim 1 further comprising:
2 (~~de~~) sending at least one license file from the management server to the
3 managed user; and
4 (~~ef~~) in response to information in the license file, enabling at least one function
5 in the client software.
- 1 6. (Currently Amended) The method of claim 1 further comprising:
2 (~~fg~~) sending at least one policy restriction file from the management server to
3 the managed user; and
4 (~~gh~~) in response to information in the policy restriction file, restricting at least
5 one function in the client software.
- 1 7. (Currently Amended) The method of claim 1 further comprising:
2 (~~hi~~) creating a client list of licensed components and policy restrictions in the
3 client software of the managed user;
4 (~~ij~~) sending the client list to the management server;
5 (~~jk~~) creating a server list of licensed components and policy restrictions in the
6 management server;
7 (~~kl~~) comparing the client list to the server list; and
8 (~~[[[l]]m~~) adjusting and synchronizing the components in the client software based
9 on the comparison on step (k).
- 1 8. (Currently Amended) The method of claim 7 wherein step (~~[[[l]]m~~) comprises
2 downloading and installing licensed components from the management server to
3 the client software which components are on the server list and are not on the
4 client list.

- 1 9. (Currently Amended) The method of claim 7 wherein step ([l]) further
2 comprises revoking licenses in the client software of components are on the
3 client list and are not on the server list.
- 1 10. (Currently Amended) The method of claim 7 wherein steps (h) to ([l]) are
2 repeated periodically.
- 1 11. (Currently Amended) The method of claim 1 further comprising:
2 (n) periodically sending event notifications and statistical information from the
3 client software of the managed user to the management server.
- 1 12. (Original) The method of claim 11 wherein the event notifications include error
2 notifications.
- 1 13. (Original) The method of claim 11 wherein event notifications and statistical
2 information are temporarily stored in a memory located at a client site.
- 1 14. (Currently Amended) Apparatus for managing a peer-to-peer collaboration
2 system ~~in which users having identities are directly connected to each other in a~~
3 ~~shared private space by client software operating in devices and wherein the~~
4 ~~users can communicate with a management server using the client software, the~~
5 apparatus comprising:
6 client software operating in devices that connects a first user having an
7 identity to a second user having an identity in a shared private space without the
8 assistance of a server so that collaborative information is sent directly between
9 the first and second users without an intervening server;
10 management software that sends a request from the a management
11 server to the first user to become a managed entity;

12 a download manager that downloads from the management server to the
13 client software a definition file containing a definition of the managed entity; and
14 a mechanism in the client software that associates the definition
15 information with the first user ~~identities~~ identity and device information in the
16 client software in order to create a managed user.

1 15. (Currently Amended) The apparatus of claim 14 wherein the managed entity is a
2 managed user and the definition ~~information~~ file is an injectible identity file.

1 16. (Currently Amended) The apparatus of claim 14 wherein the managed entity is a
2 managed device and the definition ~~information~~ file is a device information file.

1 17. (Original) The apparatus of claim 16 wherein the device information file is a
2 Windows REG file.

1 18. (Original) The apparatus of claim 14 further comprising:
2 license control software in the management server that sends at least one
3 license file from the management server to the managed user; and
4 license control software in the client software that, in response to
5 information in the license file, enables at least one function in the client software.

1 19. (Original) The apparatus of claim 14 further comprising:
2 policy control software in the management server that sends at least one
3 policy restriction file from the management server to the managed user; and
4 policy control software in the client software that, in response to
5 information in the policy restriction file, restricts at least one function in the client
6 software.

1 20. (Original) The apparatus of claim 14 further comprising:

2 management software in the management server that creates a client list
3 of licensed components and policy restrictions in the client software of the
4 managed user;

5 a transport mechanism that sends the client list to the management
6 server;

7 management software in the client software that creates a server list of
8 licensed components and policy restrictions in the management server;

9 a mechanism that compares the client list to the server list; and

10 a mechanism that adjusts and synchronizes the components in the client
11 software in cooperation with the comparison mechanism.

1 21. (Original) The apparatus of claim 20 wherein the adjusting and synchronizing
2 mechanism comprises a download manager that downloads and installs licensed
3 components from the management server to the client software which
4 components are on the server list and are not on the client list.

1 22. (Original) The apparatus of claim 21 wherein the adjusting and synchronizing
2 mechanism further comprises a mechanism that revokes licenses in the client
3 software of components are on the client list and are not on the server list.

1 23. (Original) The apparatus of claim 21 wherein the adjusting and synchronizing
2 mechanism operates periodically.

1 24. (Original) The apparatus of claim 14 further comprising:

2 customer service management software that periodically sends event
3 notifications and statistical information from the client software of the managed
4 user to the management server.

1 25. (Original) The apparatus of claim 24 wherein the event notifications include error
2 notifications.

1 26. (Original) The method of claim 24 wherein event notifications and statistical
2 information are temporarily stored in a memory located at a client site.

1 27. (Currently Amended) A computer program product for managing a peer-to-peer
2 collaboration system ~~in which users having identities are directly connected to~~
3 ~~each other in a shared private space by client software operating in devices and~~
4 ~~wherein the users can communicate with a management server using the client~~
5 ~~software~~, the computer program product comprising a computer usable medium
6 having computer readable program code thereon, including:

7 program code operable in devices for connecting a first user having an
8 identity to a second user having an identity in a shared private space without the
9 assistance of a server so that collaborative information is sent directly between
10 the first and second users without an intervening server;

11 program code for sending a request from the a management server to the
12 first user to become a managed entity;

13 program code for downloading from the management server to the client
14 software a definition file containing a definition of the managed entity; and

15 program code for associating information in the definition file with the first
16 user identities identity and device information in the client software in order to
17 create a managed entity.

1 28. (Currently Amended) The computer program product of claim 27 wherein the
2 managed entity is a managed user and the definition ~~information~~ file is an
3 injectible identity file.

- 1 29. (Currently Amended) The computer program product of claim 27 wherein the
2 managed entity is a managed device and the definition ~~information~~ file is a device
3 information file.
- 1 30. (Original) The computer program product of claim 29 wherein the device
2 information file is a Windows REG file.
- 1 31. (Original) The computer program product of claim 27 further comprising:
2 program code for sending at least one license file from the management
3 server to the managed user; and
4 program code that responds to information in the license file for enabling
5 at least one function in the client software.
- 1 32. (Original) The computer program product of claim 27 further comprising:
2 program code for sending at least one policy restriction file from the
3 management server to the managed user; and
4 program code that responds to information in the policy restriction file for
5 restricting at least one function in the client software.
- 1 33. (Original) The computer program product of claim 27 further comprising:
2 program code for creating a client list of licensed components and policy
3 restrictions in the client software of the managed user;
4 program code for sending the client list to the management server;
5 program code for creating a server list of licensed components and policy
6 restrictions in the management server;
7 program code for comparing the client list to the server list; and
8 program code that cooperates with the comparing program code for
9 adjusting and synchronizing the components in the client software.

- 1 34. (Original) The computer program product of claim 33 wherein the program code
2 for adjusting and synchronizing the components comprises program code for
3 downloading and installing licensed components from the management server to
4 the client software which components are on the server list and are not on the
5 client list.
- 1 35. (Original) The computer program product of claim 33 wherein the program code
2 for adjusting and synchronizing the components further comprises program code
3 for revoking licenses in the client software of components are on the client list
4 and are not on the server list.
- 1 36. (Original) The computer program product of claim 33 wherein program code for
2 adjusting and synchronizing the components operates periodically.
- 1 37. (Original) The computer program product of claim 27 further comprising:
2 program code for periodically sending event notifications and statistical
3 information from the client software of the managed user to the management
4 server.
- 1 38. (Original) The computer program product of claim 37 wherein the event
2 notifications include error notifications.
- 1 39. (Currently Amended)) The computer program product of claim 37 further
2 ~~comprising~~ comprising program code for temporarily storing event notifications
3 and statistical information in a memory located at a client site.
- 1 40. (Canceled).

1 41. (Currently Amended) Apparatus for managing a peer-to-peer collaboration
2 system in which users having identities are directly connected to each other in a
3 shared private space by client software operating in devices and wherein the
4 users can communicate with a management server using the client software, the
5 apparatus comprising:

6 means operable in devices for connecting a first user having an identity to
7 a second user having an identity in a shared private space without the assistance
8 of a server so that collaborative information is sent directly between the first and
9 second users without an intervening server;

10 means for sending a request from the a management server to the first
11 user to become a managed entity;

12 means for downloading from the management server to the client software
13 a definition file containing a definition of the managed entity; and

14 means in the client software for associating the definition information with
15 the first user ~~identities~~ identity and device information in the client software in
16 order to create a managed user.

1 42. (Currently Amended) The apparatus of claim 41 wherein the managed entity is a
2 managed user and the definition ~~information~~ file is an injectible identity file.

1 43. (Currently Amended) The apparatus of claim 41 wherein the managed entity is a
2 managed device and the definition ~~information~~ file is a device information file.

1 44. (Original) The apparatus of claim 43 wherein the device information file is a
2 Windows REG file.

1 45. (Original) The apparatus of claim 41 further comprising:

2 means for sending at least one license file from the management server to
3 the managed user; and

4 means responsive to information in the license file for enabling at least
5 one function in the client software.

1 46. (Original) The apparatus of claim 41 further comprising:

2 means for sending at least one policy restriction file from the management
3 server to the managed user; and

4 means responsive to information in the policy restriction file for restricting
5 at least one function in the client software.